

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of: Robert W. Boyd, et al.  
Serial No.: Unknown  
Filing Date: October 31, 2001  
Title: DETECTING INFRARED RADIATION

Assistant Commissioner  
for Patents  
Washington, DC 20231

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Applicants respectfully request, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the documents listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. A copy of each document is enclosed for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. §§ 1.97 (g) and (h), Applicants make no representation that these documents qualify as prior art or that these documents are material to patentability of the present application or that a search has been made.

Respectfully submitted,

BAKER BOTTS L.L.P.  
Attorneys for Applicant

A handwritten signature of Bradley P. Williams in black ink.

Bradley P. Williams  
Reg. No. 40,227

2001 Ross Avenue  
Dallas, Texas 75201-2980  
Tel. 214.953.6447

Date: \_\_\_\_\_

10/31/01

PTO-1449  <b>Information Disclosure Citation in an Application</b>		Application No.  Docket Number 017575.0698		Applicant(s) Robert W. Boyd, et al.  Group Art Unit  Filing Date October 31, 2001			
<b>U.S. PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A						
	B						
	C						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	D						
	E						
	F						
<b>NON-PATENT DOCUMENTS</b>							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	G	Efficient infrared imaging upconversion via quantum coherence; Robert W. Boyd, Marlan O. Scully; 2000 American Institute of Physics [S0003-6951(00)03448-3]; Applied Physics Letters, Volume 77, Number 22; pgs. 3559-3561.					11/27/00
	H	Efficient frequency up-conversion in resonant coherent media; A. S. Zibrov, M. D. Lukin, L. Hollberg, and M. O. Scully; pgs. 1-12.					02/13/01
	I	Destruction of Darkness: Optical Coherence Effects and Multi-Wave Mixing in Rubidium Vapor; A. S. Zibrov, L. Hollberg, V. L. Velichansky, M. O. Scully, M. D. Lukin, H. G. Robinson, A. B. Matsko, A. V. Taichenachev, and V. I. Yudin; CP551, Atomic Physics 17, edited by E. Arimondo, P. DeNatale, and M. Inguscio; 2001 American Institute of Physics 1-56396-982-3; pgs. 204-217.					2001
	J	Image Conversion From 1.6 $\mu$ To The Visible In Lithium Niobate*; J. E. Midwinter; Royal Radar Establishment; Malvern, Worcestershire, U.K.; (Received 18 December 1967); Applied Physics Letters, Volume 12, Number 3; pgs. 68-70.					02/01/68
	K	An infrared upconverter for astronomical imaging <sup>9</sup> ; R. W. Boyd and C. H. Townes; Applied Physics Letters, Vol. 31, No. 7; Copyright 1977 American Institute of Physics; pgs. 440-442.					10/01/77
	L	Efficient ir image up-conversion in two-photon resonantly pumped CS vapor*; E. A. Stappaerts, S. E. Harris, and J. F. Young; Applied Physics Letters, Vol. 29, No. 10; Copyright 1976 American Institute of Physics; pgs. 669-670.					11/15/76
	M	Observation of resonantly enhanced sum-frequency generation involving sodium Rydberg states; Daniel J. Gauthier, Jerzy Krasinski, and Robert W. Boyd; The Institute of Optics, University of Rochester, Rochester, New York 14627; OPTICS LETTERS; April 1983, Vol. 8, No. 4; Optical Society of America; pgs. 211-213.					04/83
	N						
EXAMINER					DATE CONSIDERED		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.							

 J1017 U.S. PTO  
 10/003655  
 10/31/01